

## CLAIMS

1. A telecommunications system comprising a broadband wired network and a narrower-band wired network for transmitting broadcast and on-demand services, and a network adapter between these two, the narrower-band wired network being configured to transmit the services to at least one terminal, wherein
  - the network adapter is operationally connected to a base station of a wireless local area network operated by said broadband wired network;
  - the terminal is operationally connected to a transceiver of the wireless local area network; and
  - data transmission from the terminal to the broadband wired network is configured to be take place through the network adapter in the wireless local area network.
2. A telecommunications system according to claim 1, wherein the network adapter is configured to generate the signalling parameters needed for connection set-up in the wireless local area network for transmission to the terminal in a multiplexed service broadcast.
3. A telecommunications system according to claim 1, wherein a network control device connected to the broadband wired network is configured to generate the signalling parameters needed for connection set-up in the wireless local area network for transmission through the network adapter to the terminal in a multiplexed service broadcast.
4. A telecommunications system according to claim 2, wherein the wireless local area network is based on spread spectrum technology and the signalling parameters comprise at least codes for determining a signalling channel.
5. A telecommunications system according to claim 4, wherein the terminal is configured to establish a wireless signalling connection to the base station for requesting a traffic channel, and the base station is configured to transmit the codes needed for using the traffic channel to the terminal.
6. A telecommunications system according to claim 1, wherein the broadband wired network, the narrower-band wired network and the network adapter between these two form an HFC network (Hybrid Fibre Coax), the broadband network being an optical fibre network and the

FOOTNOTES

narrowband network a coaxial cable network.

7. A telecommunications system according to claim 1, wherein the terminal comprises a set-top-box connected to a TV or radio receiver.

5 8. A telecommunications system according to claim 1, wherein the terminal comprises an audio or video interface card connected to a computer.

9. A telecommunications system according to claim 1, wherein the terminal is configured to function as a server for a wireless multimedia network, such as an MHP network, and the network adapter is configured to generate the codes needed for using the traffic channels in the wireless multimedia network for transmission to the terminal in a multiplexed service broadcast.

10 10. A telecommunications system according to claim 9, wherein the terminal is configured to relay the codes needed for using the traffic channels in the wireless multimedia network to other devices in the multimedia network.

11. A telecommunications system according to claim 10, wherein the terminal is configured to transmit messages addressed from other devices in the wireless multimedia network to the broadband wired network through the network adapter in the wireless local area network.

12. A network adapter connected between a broadband wired network and a narrower-band wired network, wherein the network adapter is operationally connected to a base station of a wireless local area network operated by said broadband wired network; and the network adapter is configured to relay the data transmission received via the base station from a terminal of the narrower-band wired network, said terminal being operationally connected to a transceiver of the wireless local area network, to the broadband wired network.

13. A terminal of a telecommunications system, wherein terminal is configured to receive broadcast and on-demand services via a wired network, the terminal is operationally connected to a transceiver of a wireless local area network, and the terminal is configured to configure its wireless connection to the wired network according to signalling parameters received from said wired network.